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TRANSI	·\	F INFORMATION DISCLO Under 37 CFR 1.97(b) or 1.97	1.1	Docket No. HALB:045							
In Reapplic	61	leff Miller and Jeff Kirsner									
Sei	ial No.	Filing Date	Examiner	Group Art Unit							
10/65	6,684	September 5, 2003	To be Assigned	To be Assigned							
Title: Dril	ling Fluid and	Method for Enhanced Suspension	1								
	Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450										
		37 C	FR 1.97(b)								
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		37 C	FR 1.97(c)								
CF Fir	R 1.97(b), pr al Action un	ovided that the Information Disc	herewith is being filed after the per closure Statement is filed before the f Allowance under 37 CFR 1.311 and is accompanied by one of:	e mailing date of a							
	the staten	nent specified in 37 CFR 1.97(e);									
		OR									
	the fee se	et forth in 37 CFR 1.17(p).									
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11 # 2.0	F INFORMATION DISCLO Inder 37 CFR 1.97(b) or 1.97	100	Docket No. HALB:045
Re Application: J	eff Miller and Jeff Kirsner		
Serial No.	Filing Date	Examiner	Group Art Unit
10/656,684	September 5, 2003	To be Assigned	To be Assigned
Drilling Fluid and	Method for Enhanced Suspension	n	
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as described belo Charge th Credit an Charge a Certificate of	ereby authorized to charge and cow. ne amount of y overpayment. ny additional fee required. Fransmission by Facsimile* ent and authorization to charge deposite transmitted to the United States	Certificate of Mailing by I certify that this document and on September 16, 2003 with the as first class mail under 37 addressed to the Commissioner 1450, Alexandria, VA 22313-14 Signature of Person Ma	fee is being deposited the U.S. Postal Service 7 C.F.R. 1.8 and is r for Patents, P.O. Box 150.
Typed or Printed N	Name of Person Signing Certificate	Karen B. Tripp Typed or Printed Name of Pers	on Mailing Certificate
*This certificate madeposit account. *This certificate madeposit account. *S Karen B. Tripp, Reg. No. Attorney at Law P.O. Box 1301 Houston, Texas 77251-136 (713) 658-9323 phone (713) 658-9410 fax ktripp@tripplaw.com	ly only be used if paying by Signature 30,452	Dated: September 15, 2003	
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	СВ	4,148,821	04/10/1979	Nussbar	um et al.	260	505 S	04/13/1976	
	СС	4,153,588	05/08/1979	Makow	ski et al.	260	23.5	11/29/1977	
	CD	4,390,474	06/28/1983	Nussba	um et al.	260	505 R	06/12/1980	
	CE	4,425,462	01/10/1994	Turner	et al.	524	400	09/13/1982	
	CF	4,447,338	05/08/1984	Lundbe	erg et al.	252	8.5M	08/12/1981	
	CG	4,488,975	12/18/1984	Almond	l 	252	8.55 R	12/13/1982	
-	СН	4,552,215	11/12/1985	Almond	l et al.	166	278	09/26/1984	
•	Cl	4,553,601	11/19/1985	Almond	l et al.	166	308	11/19/1985	
	CJ	CJ 4,671,883 06/09/1987			Connell et al.		8.515	07/12/1985	
-	CK	4,787,990	11/29/1988	Boyd		252	8.511	02/04/1983	
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		DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	СМ	WO 95/21225	08/11/1985	PCT	, ,	C09K	7/00		
	CN	WP 95/09215	04/06/1995	PCT		C09K	7/00		
	со	EP 0 247 801 A2	12/02/1987	Europe		C09K	7/06		
	СР	EP 0 254 412	01/27/1988	Europe		C09K	7/06		
	cQ	GB 2,166,782 A	05/14/1986	United 1	Kingdom	C09K	7/06		
		OTHER DOCUME	<u> </u>		, Title, Date, Pertinent F		<u></u>		
		Friedheim, J.E., "Second	-Generation Syr	ithetic Dri	illing Fluids," SPE Distingu	ushed Auth	or Series: Dec.	1981-Dec. 1983.	
			-,,-,-,-,-,-,-,-,-,-,-,-,,-,,,-					- 15 W	
		David Power, Jim Friedl Contractor, pages 44-45	ieim and Bret To (May/June 2003)	oups, M-1).	L.L.C., "Flat Rheology SB	vi Shows P	romise in Deepv	vater, Drilling	
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	CU	5,04	45,219	09/03/1991	Trahan	et al.	252	8.51	11/22/19	88
	CV	5,18	89,012	02/23/1993	Patel et	al.	507	103	06/08/19	90
	CW	5,33	33,698	08/02/1994	Van Siy	yke	175	65	05/21/19	93
	CX	5,43	32,152	07/11/1995	Dawson	n et al.	507	103	08/16/19	994
_	CY	5,49	98,596	03/12/1996	Ashjian	et al.	507	103	09/29/19	993
	cz	4,80	02,998	02/07/1989	Mueller	r et al.	252	8.514	07/08/19	987
	DA	5,10	06,516	04/21/1992	Mueller	r et al.	507	138	02/09/19	990
	DB	5,25	52,554	10/11/1993	Mueller	Mueller et al.		138	01/21/19	992
•	DC	5,31	18,954	06/07/1994	Mueller	r et al.	507	138	06/29/19	993
	DD 5,318,955 06/07/19			06/07/1984	Mueller	r et al.	507	139	03/24/19	993
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	DE	GB	2,212,192 A	07/19/1989	United	Kingdom	C09K	7/06		
	DF	wo	83/02949	09/01/1983	PCT		C09K	7/06		
	DG	wo	94/16030	07/21/1994	PCT		C09K	7/06		
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	AS	6,10	07,255	08/22/2000	Van Slyke		507	103	09/04/19	98	
	AT	6,03	34,037	03/07/2000	Van Sly	ke	507	103	01/07/19	99	
	AU	5,95	58,845	09/28/1999	Van Sly	/ke	507	103	01/29/199	96	
	AV	5,25	54,531	10/19/1993	Mueller	r et al.	507	131	01/21/199	92	
	AW	5,92	29,297	07/27/1999	Theriot	et al.	585	525	09/25/199	97	
-	AX 5,877,378			03/02/1998	Overstr	reet et al.	585	637	09/15/19	97	
_	AY	5,84	49,974	12/15/1998	Clarem	beau et al.	585	668	01/28/19	97	
	AZ	5,58	89,442	12/31/1994	Gee et al.		507	103	06/07/19	06/07/1995	
	BA	5,74	44,677	04/28/1998	Wu		585	512	07/14/19	92	
	BB 5,569,642 10/29/				Lin		507	103	02/16/19	98	
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	вс	GB	3 2,309,240 A	07/23/1997	United !	Kingdom	C09K	7/06			
	BD	DE	196 43 840 A	07/05/1998	German	ny	E 21 B	21/14		1	
	BE	wo	O 98 23491 A	11/25/1993	PCT		C09K	7/06			
	BF	DE	40 18 228 A	12/12/1991	German	ny	C09K	7/06		J	
	BG	DE	44 20 455 A	12/14/1995	German	1y	C09K	7/00		1	
			OTHER DOCUMEN			r, Title, Date, Pertinent F					
:]	вн	"Altonic product sheet", URL:http://www.condea 2001-03-29, page 1-page	.de/products/sur	ine! XP 00 factanta/s	02164097; Retrieved from (urfactanta_nonionic/alfoni	he Internet: c.html," reti	rieved from the	internet on		
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	BJ	5,25	52,554	10/12/1993	Mueller et al.		507	138	01/21/19	92
	ВK	5,23	32,910	08/03/1993	Mueller	et al.	507	138	09/06/19	91
	BL	4,96	64,615	10/23/1990	Mueller	et al.	507	243	05/23/19	88
	вм	5,83	37,655	11/17/1998	Hallida	y et al.	507	103	05/01/19	96
	BN	2,81	6,073	12/10/1957	Stratto	1	252	8.5	07/16/19	56
	во	3,68	34,012	98/05/1972	Scheffe	l et al.	166	283	06/12/19	70
•	BP	3,87	78,117	04/15/1975	William	is et al.	252	47	05/17/19	73
	BQ	3,91	12,683	10/14/1975	O'Farr	ell	260	29.7	07/12/19	74
	BR	3,95	54,627	05/04/1976	Dreher et al.		252	8.5 P	11/07/1973	
	BS	4,00	07,149	02/08/1977	Burton et al.		260	29.7	07/02/19	75
	вт	4,01	12,329	03/15/1977	Hayes	et al.	252	8.5 P	09/22/19	775
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	BU	wc	0 00 71241 A	11/30/2000	PCT		B01F	17/00		
	BV	EP	0 561 608 A	09/22/1993	Europe		C09K	7/06		
	BW	wo	99 50370 A	10/07/1999	PCT		C09K	3/00		
	BX	AU-	-B-75043/94	03/22/1995	Austral	ia	C09K	7/06		l L
	BY	EP	0 124 194 A2	11/07/1984	Europe		C09K	7/06		
			OTHER DOCUME			, Title, Date, Pertinent F	Pages, Etc	.)		
			Chapter 13, Synthetic, B	aroid Fluids Hai	ndbook, R	evised August 1, 1997.				
		BZ								
		CA	P.A. Boyd, D.L. Whitfill Technology, 1985, pages		d J.P. Alla	imon, New Base Oil Used in	Low-Toxic	city Oil Muds, 1	4 J. Petrole	eum
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	AA	4,50	08,628	04/02/1985	Walker	et al.	252	8.5	05/19/1983	
	AB	5,33	33,698	08/02/1994	Van Sly	ke	175	63	05/21/19	93
:	AC	5,84	46,913	12/08/1998	Sawdon		507	103	03/17/19	97
	AD	5,635,457		06/03/1997	Van Sly	ke	507	103	04/17/19	95
	AE	4,01	12,329	03/15/1977	Hayes e	t al.	252	8.5P	09/22/19	75
	AF	5,23	37,080	08/17/1993	Daute e	t al.	554	213	07/10/19	80
	AG	5,33	30,662	07/19/1994	Jahnke	et al.	252	8.551	03/17/19	92
	АН 6,090,754			07/18/2000	Chan et	al.	507	110	07/18/20	00
<u> </u>	AI	6,00	01,790	12/14/1999	Schmitt et al.		C11D 1	722	12/17/1997	
-	AJ	5,403,508		04/04/1995	Reng et	al.	C11D 1	825	05/13/19	93
	AK 5,308,401 05			05/03/1994	Geke,et	al.	134	2	04/30/19	91
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	AO	GB	2,287,052 B	03/13/1996	United	Kingdom	C09K ;	7/06		
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		AQ	"Neodol 1", "Neodol 1-9 23-2.2E", "Neodol 23-2 25", "Neodol 25-2.5E", "Neodol 45E", "Neodol 91-8E", "Neodol 91E",	", "Neodol 135- E", "Neodol 23-3 'Neodol 25-3", " 79E", "Neodol 9 "Neodol 25-9", '	3E", "Neo 3", "Neod Neodol 25 1", "Neod 'Neodol 25	dol 135-7E", "Neodol 23", lol 23-3E", "Neodol 23-6.5' i-3E", "Neodol 25-7", "Neo lol 91.2.5E", "Neodol 91-5E 5-9E", "Neodol 25E", "Neo	"Neodol 23- , "Neodol 23- dol 25-7E", , "Neodol 91 dol 45-5E",	1", "Neodol 23 -6.5E", "Neod "Neodol 45", ' -6E", "Neodo	3-1.1E", "N lol 23E", "I 'Neodol 45 I 91-8", "N	eodol Neodol 4E'', eodol
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	DI	5,318,956	06/07/1994	Mueller	· et al.	507	139	04/29/19	
	DK	5,403,822	04/04/1995	Mueller	et al.	507	138	05/27/19	93
	DL	5,441,927	08/15/1995	Mueller	et al.	507	138	11/09/19	94
	DM	5,508,,258 04/16/1996 Muell			et al.	507 135 04/28/			95
	DN 5,607,901 03/04/1997 T			Toups,	Jr. et al.	507	103	02/17/19	95
	DO	RE 36,066	01/26/1999	Mueller	· et al.	507	138	09/06/19	91
	DP	5,868,434	02/09/1999	Mueller	et al.	507	110	06/06/19	95
	DQ	5,909,779	06/08/1999	Patel et	t al.	175	50	06/30/19	98
!	DR 6,022,833 02/08/2000				et al.	507	203	09/18/1997	
•	DS	6,165,946	12/26/2000	Mueller	· et al.	507	203	10/21/19	97
_	DT	6,180,572 B1	01/30/2001	Mueller	et al.	507	209	12/06/19	96
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•	DZ	<u> </u>		10/28/1986	Black et	t al	252	8.514	05/23/19	
	DZ 4,619,772 10/28/1986 Bls EA 4,473,479 09/25/1984 Bls						252	8.5 A	12/06/19	
-	EB	4,473,479			Block		252	8.5 A	12/00/1982	
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	Daniel B. Oakley, "Environmental Horizontal Well Installation and Performance: Lessons Learned," Horizontal News, DOE Dept. of Technology Development, Volume 1, No. 2, Fall 1995, pages 7 and 9.									
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	EK	4,15	51,096	04/24/1979	Jackson	1	252	8.5 A	12/19/19	77
	EL	3,98	88,246	10/26/1976	Hartfie	1	252	8.5 A	05/24/19	74
•	EM	5.59	91,699	01/07/1997	Hodge		507	213	12/21/19	94
	EN 4,559,233 12/17/1985 Cho			Chen et	al.	426	104	12/30/19	83	
•	EO	4,67	70,501	06/02/1987	Dymon	d et al.	524	458	05/16/19	85
	EP 4,777,200 1			10/11/1988	Dymon	d et al.	524	458	10/28/19	86
	EQ	5,85	51,958	12/22/1998	Halliday et al.		507	103	10/08/1997	
•	ER	5,605,879		02/25/1997	Hallida	y et al.	507	103	02/25/19	97
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		ET						•		
		EU	Bob Byrd, Mario Zamor 24-26 (February 1988)	a, "Fluids are k	key in Dri	lling Highly Deviated Wells	,'' Petroleur	m Engineer Inte	rnational, ¡	oages ,
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